



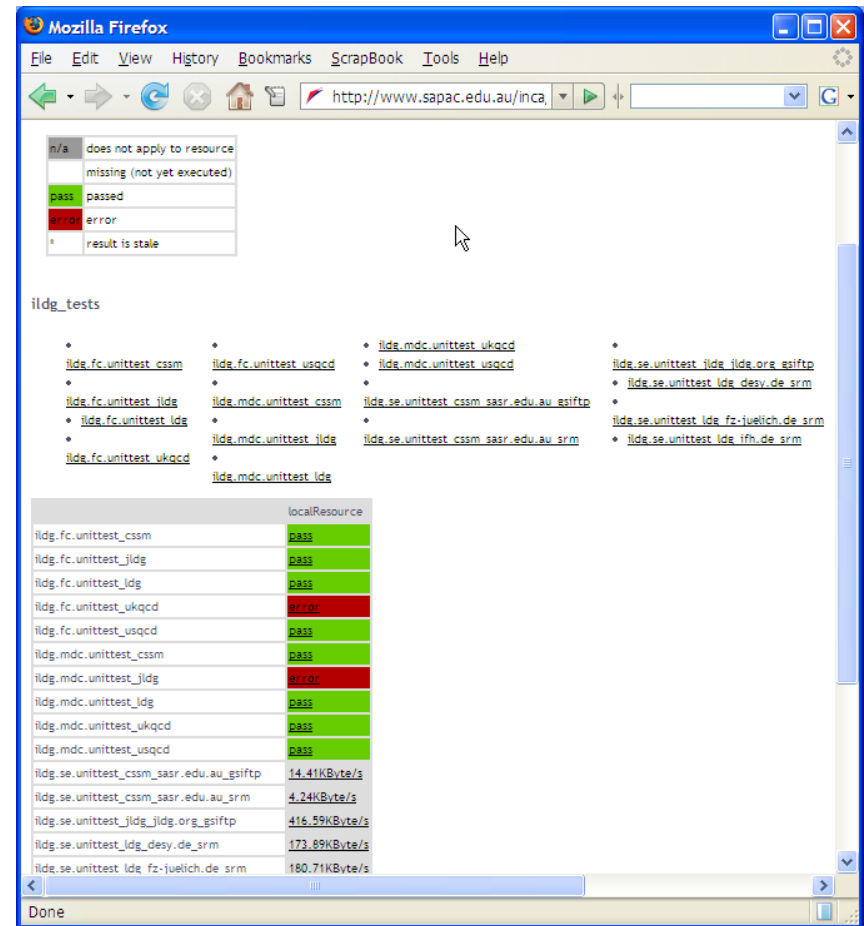
Middleware Working Group, Status Report for

George Beckett (UKQCD)

ILDG 15, 4th December 2009.

Infrastructure Status

- Core services are operational:
 - Metadata catalogue, file catalogue, VO, storage elements, and monitoring service.
- Focus has been on reliability:
 - Responding to issues as reasonable, within effort constraints.
- Little effort to support further development, at this time.



The screenshot shows a Mozilla Firefox browser window displaying a test results page. The address bar shows the URL <http://www.sapac.edu.au/inca>. The page content includes a legend for test results and a list of tests under the heading "ildg_tests".

Legend:

- n/a does not apply to resource
- missing (not yet executed)
- passed
- error
- result is stale

ildg_tests

- [ildg_fc.unittest_cssm](#)
- [ildg_fc.unittest_usqcd](#)
- [ildg_mdc.unittest_ukqcd](#)
- [ildg_mdc.unittest_usqcd](#)
- [ildg_se.unittest_ildg_ildg_ora_gsiftp](#)
- [ildg_se.unittest_ildg_desv.de_srm](#)
- [ildg_fc.unittest_ildg](#)
- [ildg_mdc.unittest_cssm](#)
- [ildg_se.unittest_cssm_sasr.edu.au_gsiftp](#)
- [ildg_se.unittest_ildg_fz-juelich.de_srm](#)
- [ildg_fc.unittest_ldg](#)
- [ildg_mdc.unittest_ildg](#)
- [ildg_se.unittest_cssm_sasr.edu.au_srm](#)
- [ildg_se.unittest_ildg_ifh.de_srm](#)
- [ildg_fc.unittest_ukqcd](#)
- [ildg_mdc.unittest_ldg](#)

localResource	Result
ildg_fc.unittest_cssm	passed
ildg_fc.unittest_ildg	passed
ildg_fc.unittest_ldg	passed
ildg_fc.unittest_ukqcd	error
ildg_fc.unittest_usqcd	passed
ildg_mdc.unittest_cssm	passed
ildg_mdc.unittest_ildg	error
ildg_mdc.unittest_ildg	passed
ildg_mdc.unittest_ukqcd	passed
ildg_mdc.unittest_usqcd	passed
ildg_se.unittest_cssm_sasr.edu.au_gsiftp	14.41KByte/s
ildg_se.unittest_cssm_sasr.edu.au_srm	4.24KByte/s
ildg_se.unittest_ildg_ildg_ora_gsiftp	416.59KByte/s
ildg_se.unittest_ildg_desv.de_srm	173.89KByte/s
ildg_se.unittest_ildg_ifh.de_srm	180.71KByte/s

Infrastructure Status

- JLDG have enhanced their web-based client:
 - View ensemble metadata
 - List configurations within ensemble.

New addition to ILDG client suite.

QCDml Faceted Search (Test) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://sigdd.kde.cs.tsukuba.ac.jp/~amagasa/

QCDml Faceted Navigation

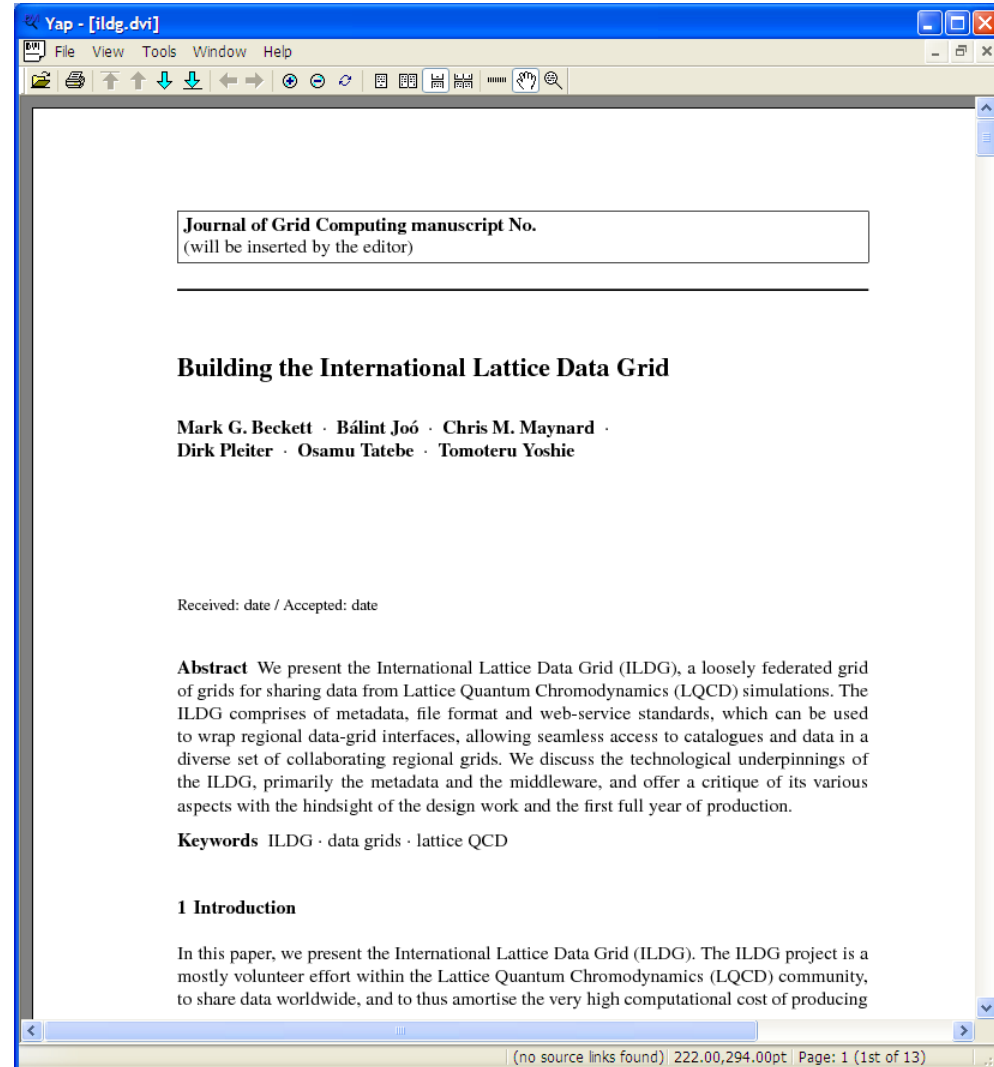
rgrid cssm (22) JLDG (42) ldg (6) ukqcd (9) USQCD (21) www.lcd.org (1)	Generated SQL (for debug) select m.property, m.value, count(*) count from mc m group by m.property, m.value order by m.property, m.value
collaboration CP-PACS (12) CP-PACS+JLQCD (30) CSSM (22) dik (2) ctmc (27) gri (9) LHPC (8) MILC (13) cedat (24) RBC-UKQCD (9) sesam (8) theta (4) td (2) UKQCD (7)	List of Ensembles (178)
projectName 2+1 DWF (9) 2+1 Dynamical AsqTAD (13) asqrad 3264 b7095 long (1) Baryon Resonances (1) clover nf2 (23) clover nf2p1 (4) Dynamical FLIC Studies (2) Electromagnetic Form Factors (1) FLIC Overlap Studies (5) Flux Tube Test (1) Gluon Propagator (6) Long asqrad run (2) Pentaquark Volume Dependence (1) Quark Propagator Studies (3) RCNf2 (Nf=2 full QCD with Iwasaki RG gauge and tadpole improved clover quark action) (12) RCNf2+1 (Nf=2+1 full QCD with Iwasaki RG gauge and non-perturbatively O(a) improved wilson (clover) quark action) (30) RMT asqrad run (3) RMT SU3 (1) SFGC/RUM (8) Test Lattices (1) Testing only NO REAL DATA (1) tmcd nf2 (27) Visual QCD (1) wilson nf2 (19)	No. 1 [12/12/12/24] mc://JLDG/CP-PACS/RCNf2/RC12x24-B1800K014090C1600 iwasakiRGluonAction(beta=1.800) tpCloverQuarkAction(nf=2/kappa=0.14090)
	No. 2 [12/12/12/24] mc://JLDG/CP-PACS/RCNf2/RC12x24-B1800K014300C1600 iwasakiRGluonAction(beta=1.800) tpCloverQuarkAction(nf=2/kappa=0.14300)
	No. 3 [12/12/12/24] mc://JLDG/CP-PACS/RCNf2/RC12x24-B1800K014450C1600 iwasakiRGluonAction(beta=1.800) tpCloverQuarkAction(nf=2/kappa=0.14450)
	No. 4 [12/12/12/24] mc://JLDG/CP-PACS/RCNf2/RC12x24-B1800K014640C1600 iwasakiRGluonAction(beta=1.800) tpCloverQuarkAction(nf=2/kappa=0.14640)
	No. 5 [16/16/16/32] mc://JLDG/CP-PACS/RCNf2/RC16x32-B1950K013750C1530 iwasakiRGluonAction(beta=1.950) tpCloverQuarkAction(nf=2/kappa=0.13750)
	No. 6 [16/16/16/32] mc://JLDG/CP-PACS/RCNf2/RC16x32-B1950K013900C1530 iwasakiRGluonAction(beta=1.950) tpCloverQuarkAction(nf=2/kappa=0.13900)
	No. 7 [16/16/16/32] mc://JLDG/CP-PACS/RCNf2/RC16x32-B1950K014000C1530 iwasakiRGluonAction(beta=1.950) tpCloverQuarkAction(nf=2/kappa=0.14000)
	No. 8 [16/16/16/32] mc://JLDG/CP-PACS/RCNf2/RC16x32-B1950K014100C1530 iwasakiRGluonAction(beta=1.950) tpCloverQuarkAction(nf=2/kappa=0.14100)
	No. 9 [24/24/24/48] mc://JLDG/CP-PACS/RCNf2/RC24x48-B2100K013570C1470 iwasakiRGluonAction(beta=2.100) tpCloverQuarkAction(nf=2/kappa=0.13570)
	No. 10 [24/24/24/48] mc://JLDG/CP-PACS/RCNf2/RC24x48-B2100K013670C1470 iwasakiRGluonAction(beta=2.100) tpCloverQuarkAction(nf=2/kappa=0.13670)
	No. 11 [24/24/24/48] mc://JLDG/CP-PACS/RCNf2/RC24x48-B2100K013740C1470 iwasakiRGluonAction(beta=2.100) tpCloverQuarkAction(nf=2/kappa=0.13740)
	No. 12 [24/24/24/48] mc://JLDG/CP-PACS/RCNf2/RC24x48-B2100K013820C1470 iwasakiRGluonAction(beta=2.100) tpCloverQuarkAction(nf=2/kappa=0.13820)
	No. 13 [16/16/16/32] mc://JLDG/CP-PACS+JLQCD/RCNf2+1/RC16x32_B1830Kud013655Ks013710C1761 iwasakiRGluonAction(beta=1.8300000000) npCloverQuarkAction(nf=2/kappa=0.136550) npCloverQuarkAction(nf=1/kappa=0.137100)

http://sigdd.kde.cs.tsukuba.ac.jp/~amagasa/index.php?rgrid=ldg

<http://www.jldg.org/facetsnavi/>

ILDG Paper - submitted

- Presentation of progress, to date:
 - Vision, purpose, technology and benefits.
- Sections covering:
 - Background to community.
 - Specification of requirements
 - Metadata
 - Middleware solutions
 - Review (negatives and positives)
- Submitted to J. Grid Comp in October.



Meetings

- Working group hold regular (usually monthly) tele-conferences.
- Discussion of technologies, problems, new ideas, ...
- Group welcome input/contributions from others.
- Next meeting:

Tue 26th January 2010, at 12:00 GMT

Acknowledgements

- CSSM: Paul Coddington, Shunde Zhang
- JLDG: Toshiyuki Amagasa,
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Radek Ostrowski, James Perry
- USQCD: Balint Joo, Jim Simone